



North Central Kansas Technical College

BIOLOGY 225: Microbiology with Lab

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Course Goals:

This class is an in-depth study of the microbial organisms that affect human health. Lecture will cover the cellular and molecular biology of microbes, as well as give a historical perspective on microbiology. Finally, the students will learn the practical applications of microscopy and microbial identification. To illustrate the concepts discussed in the lecture portion of the class, lectures will be supplemented with laboratory and clinical application exercises and critical thinking case studies.

Required Texts:

Microbiology: A Human Perspective (with connect access card), 10th Ed. McGraw Hill ISBN13: 9781264341979

Connect Access:

<https://connect.mheducation.com/class/j-klann-fall-2021-1>

Method of Evaluation/Grades:

There will be a variety of assessments during this course which will determine your final grade. Your final grade will be based on your percent of total points.

Letter grades will be assigned by percentage:

A	100-90%
B	89-80%
C	79-70%
D	69-60%
F	>59%

Due Dates for labs, quizzes and exams:

All work is due on the last day of the week they are contained within, please see the course schedule.

Late Assignment Policy:

No late work is accepted.

Important Dates:

Aug 23 Class starts

Oct 29 Withdraw Date

Dec 17 Class ends

Learnsmart: These are assignments you will complete using the publisher website called Connect, once you have registered for Connect you will see our class section and the assignments, we will be completing this semester. There is a link within the start here folder with a direct link to our section.

Labs: Labs will be conducted using the simulations within Connect, McGraw Hill Publisher site and materials posted within the class.

Quizzes: Quizzes are 5 questions each worth 2 points. They are true or false. You have 10 minutes to complete each quiz. You will be given a two-minute reminder when you have two minutes left to complete the quiz. When the time is over the quiz will automatically submit to prevent you from going over the time limit.

Discussions: Discussions are meant to be interactive between you and your fellow classmates. Since we cannot have classroom conversations this takes the place of that. In order to receive full points on discussions you are required to post an initial response to the questions and then comment on two other classmate's posts. These responses must be well thought out and not a simple one-word answer. The response posts must show you actually read the initial post and have something worthwhile to add.

Exams: Exams will concentrate on the lecture materials. They will consist of a variety of type of questions; multiple choice, true/false and matching. They will be online and timed. You have 75 minutes to complete the exam. You will be given a two-minute reminder when you have two minutes left to complete the exam. When the time is over the exam will automatically submit to prevent you from going over the time limit.

Course Objectives: At the completion of this course, the student should understand the basic concepts of human microbiology, cell biology and molecular genetics as well as disease control methods, disease prevention/treatment and epidemiology.

Services for Students with Disabilities:

Students with either a permanent or temporary disability who require accommodation for more than one week should request services by contacting the Student Services Office. Students requesting accommodations must present written documentation from a certified professional, which should include a statement identifying the disability as well as recommendations for accommodations. Contact, at least one month in advance, the Dean of Student Services (785) 738-2276 to make requests for accommodations.

Policy Regarding Academic Dishonesty:

Academic dishonesty of any kind will not be tolerated while attending North Central Kansas Technical College. The examples of academic dishonesty are plagiarism, cheating, falsification or forgery of any assignments or examinations. Any student who participates in any form of academic dishonesty must accept the consequences of their actions. These consequences may include but are not limited to the following: (a) verbal or written warning, (b) lowering of grade for assignment/activity, (c) failure of class assignment or exam.